

CLAIMS

1. A glass composition containing 0.5 to 14 wt% of SiO_2 , 3 to 15 wt% of B_2O_3 , 4 to 22 wt% of ZnO , 55 to 90 wt% of Bi_2O_3 , 0 to 4 wt% of Al_2O_3 , 0 to 5 wt% of at least one selected from the group consisting of Li_2O , Na_2O and K_2O , and 0 to 15 wt% of at least one selected from the group consisting of MgO , CaO , SrO and BaO .

2. A sealing glass for a magnetic head having a composition containing 0.5 to 14 wt% of SiO_2 , 3 to 15 wt% of B_2O_3 , 4 to 22 wt% of ZnO , 55 to 90 wt% of Bi_2O_3 , 0 to 4 wt% of Al_2O_3 , 0 to 5 wt% of at least one selected from the group consisting of Li_2O , Na_2O and K_2O , and 0 to 15 wt% of at least one selected from the group consisting of MgO , CaO , SrO and BaO .

3. A magnetic head comprising:

a pair of magnetic core halves butted against each other with a magnetic gap material interposed therebetween, at least one of which being provided with a groove for a coil; and

sealing glass for a magnetic head that bonds said core halves together,

wherein said sealing glass has a composition containing 0.5 to 14 wt% of SiO_2 , 3 to 15 wt% of B_2O_3 , 4 to 22 wt% of ZnO , 55 to 90 wt% of Bi_2O_3 , 0 to 4 wt% of Al_2O_3 , 0 to 5 wt% of at least one selected from the group consisting

of Li_2O , Na_2O and K_2O , and 0 to 15 wt% of at least one selected from the group consisting of MgO , CaO , SrO and BaO .

4. A magnetic head comprising:

a pair of magnetic core halves butted against each other with a magnetic gap material interposed therebetween at gap-facing surfaces of said core halves, at least one of which being provided with a groove for a coil and at least one of which being formed with a magnetic metal film on said gap-facing surface; and

a sealing glass for a magnetic head that bonds said core halves together,

wherein said sealing glass has a composition containing 0.5 to 14 wt% of SiO_2 , 3 to 15 wt% of B_2O_3 , 4 to 22 wt% of ZnO , 55 to 90 wt% of Bi_2O_3 , 0 to 4 wt% of Al_2O_3 , 0 to 5 wt% of at least one selected from the group consisting of Li_2O , Na_2O and K_2O , and 0 to 15 wt% of at least one selected from the group consisting of MgO , CaO , SrO and BaO .

5. A magnetic head comprising:

a pair of magnetic core halves butted against each other with a magnetic gap material interposed therebetween at ends of magnetic metal films of said core halves, each of which being constituted by sandwiching said magnetic metal film between non-magnetic substrates and at least one of which being provided with a groove for a coil; and

a sealing glass for a magnetic head that bonds

said core halves together,

wherein said sealing glass has a composition containing 0.5 to 14 wt% of SiO_2 , 3 to 15 wt% of B_2O_3 , 4 to 22 wt% of ZnO , 55 to 90 wt% of Bi_2O_3 , 0 to 4 wt% of Al_2O_3 , 0 to 5 wt% of at least one selected from the group consisting of Li_2O , Na_2O and K_2O , and 0 to 15 wt% of at least one selected from the group consisting of MgO , CaO , SrO and BaO .